



Naval Fires Network: Moving Toward a Joint Fires Network?

COMTHIRDFLEET J2

CAPT Chris Bott, USN



UNCLASSIFIED



AGENDA



- USS Coronado/Sea-Based Battle Lab
- Tactical Exploitation System/Naval Fires Network
- Limited Objective Experiments/Fleet Battle Experiments
- TES on Pacific Fleet Units
- The Future

UNCLASSIFIED



SEA-BASED BATTLE LAB



USS Coronado (AGF-11)

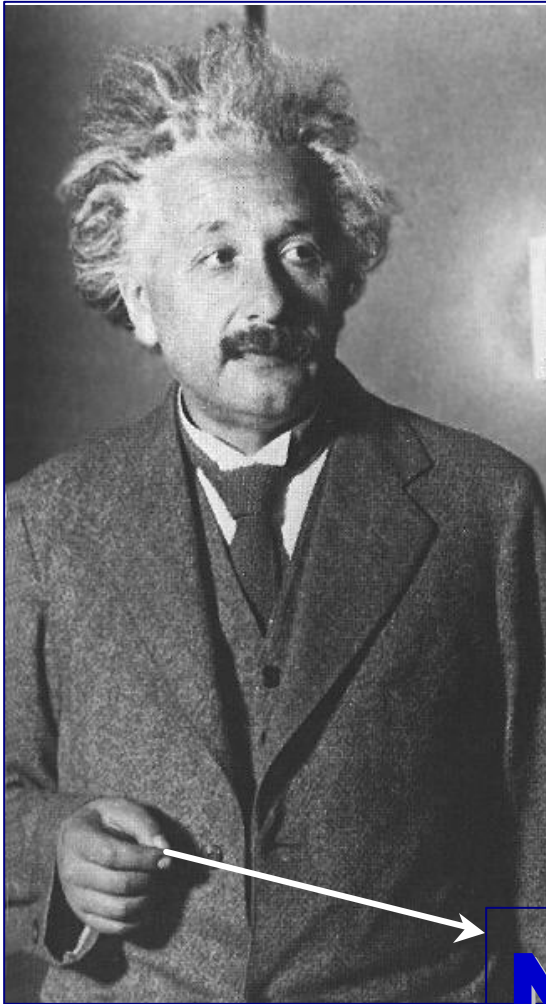


- Navy's Sea Based Battle Lab for Multi-service or Naval Technical and Operational Experiments
- At-Sea Platform for Rapid Prototyping in a Realistic, Real-time Operational Environment

UNCLASSIFIED



TES-N/NFN



TES-N
JSIPS-N
GCCS-M

Naval Fires Network

UNCLASSIFIED



TES-N HISTORY



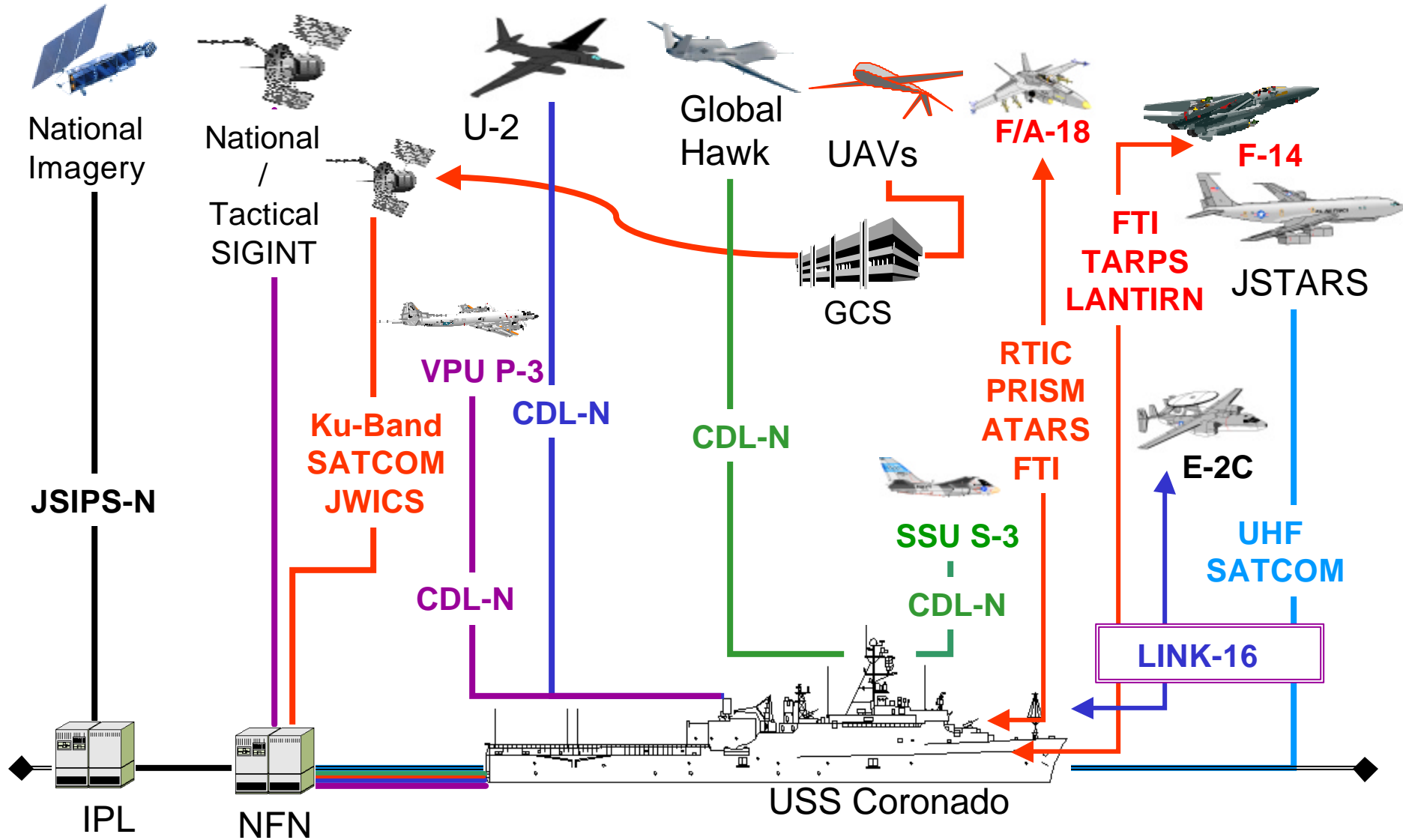
- Oct 99: Concept Development
 - *Radiant Diamond* > *TARTS* > *TARTS II* > *LSS* > *NFN*
- Oct 00: CORONADO Initial Installation
- Oct 00 - May 01: LOE Series
- Jun 01: Fleet Battle Exercise INDIA
- Jul 01: Deployment Decision for JCS/ABE
- Sep 01: Rapid Deployment ISO OEF
- Oct 01: JCS Install, Nov 01 Deployment
- Jan 02: ABE Install

From Concept to Operational Deployment in 24 Months

UNCLASSIFIED



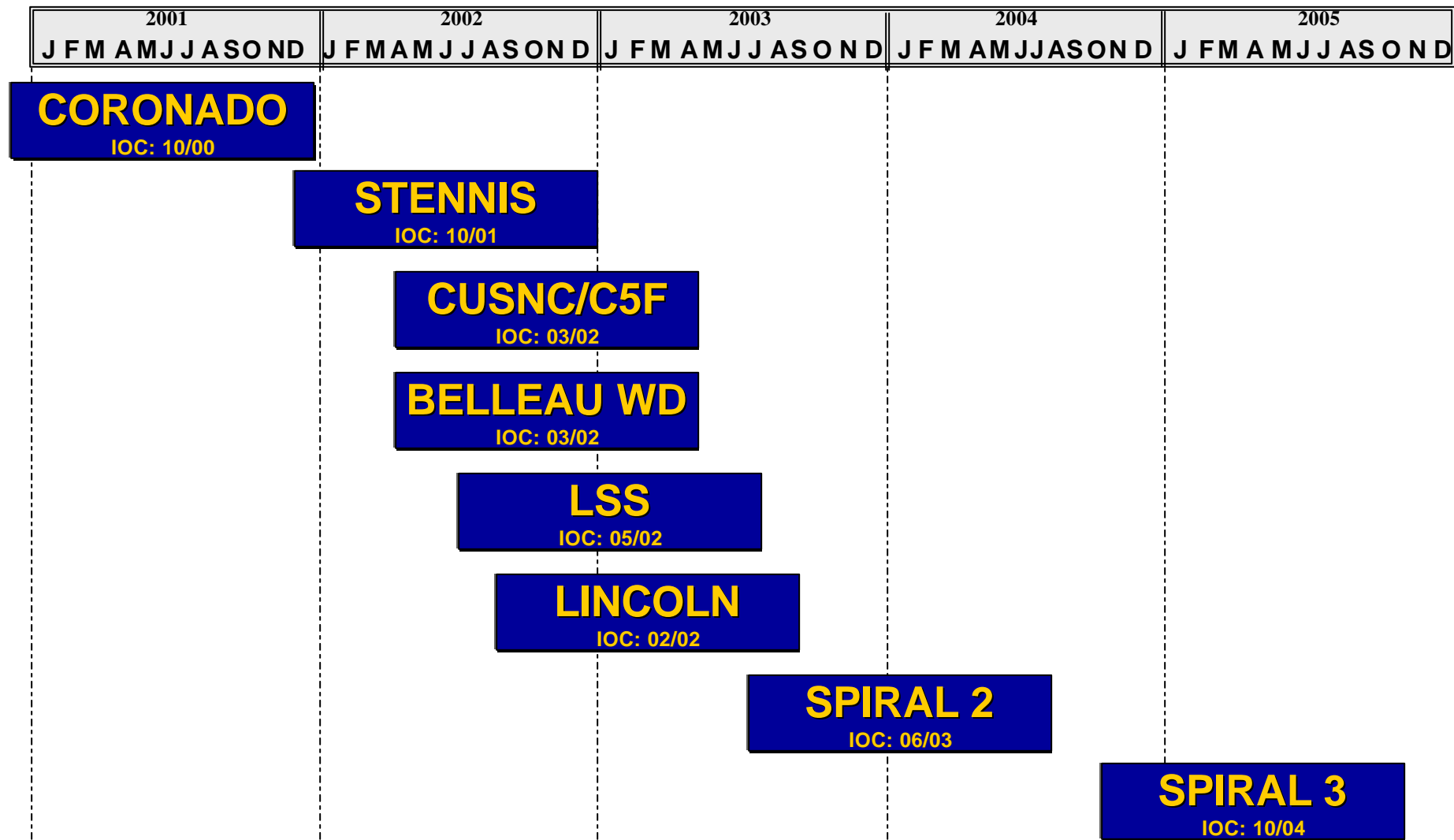
NFN ISR ARCHITECTURE



UNCLASSIFIED



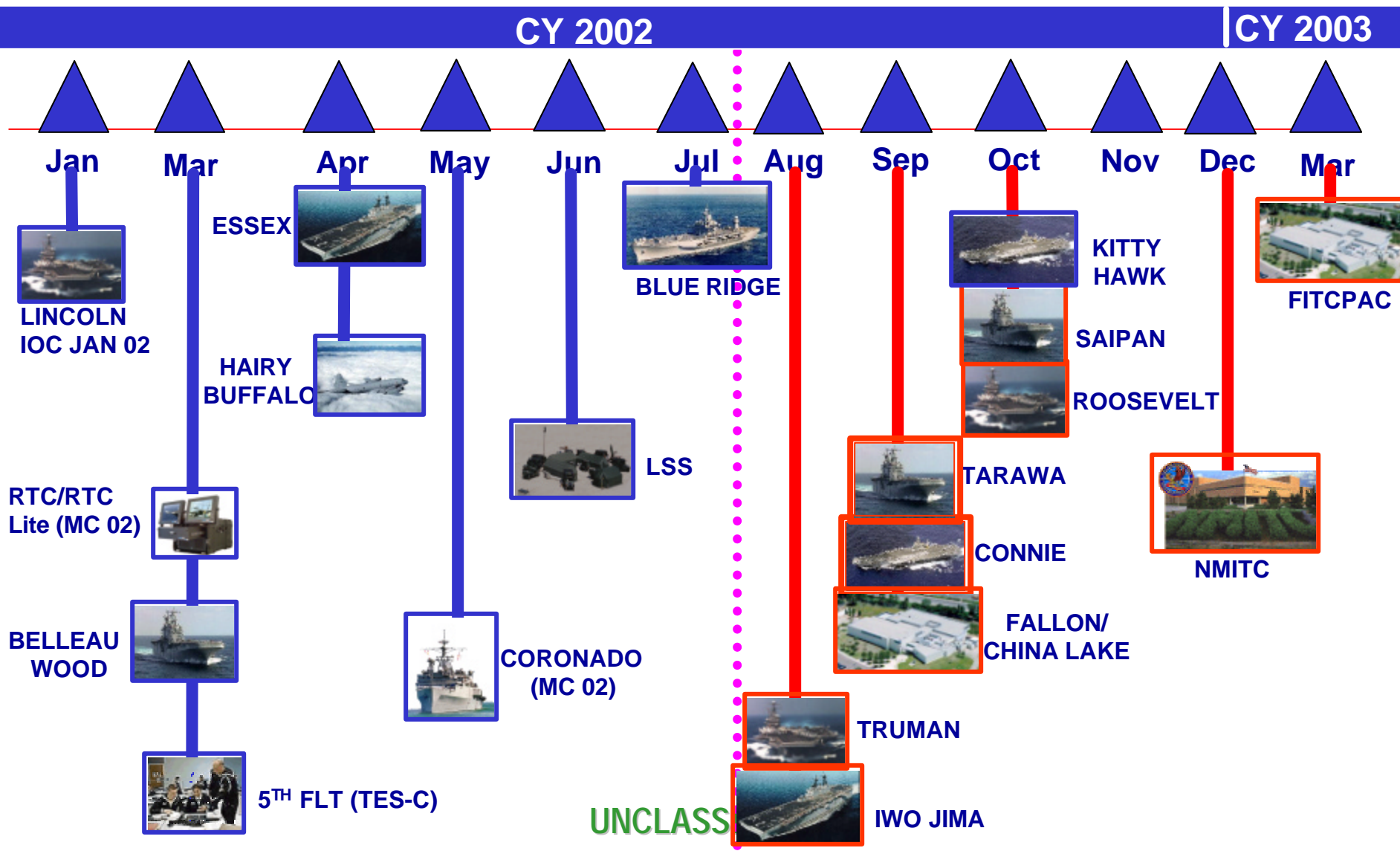
INTEGRATION & FIELDING



UNCLASSIFIED

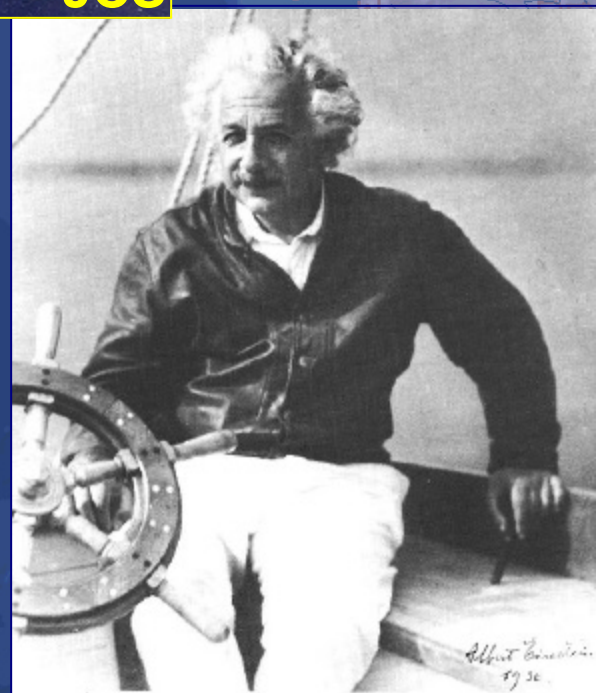
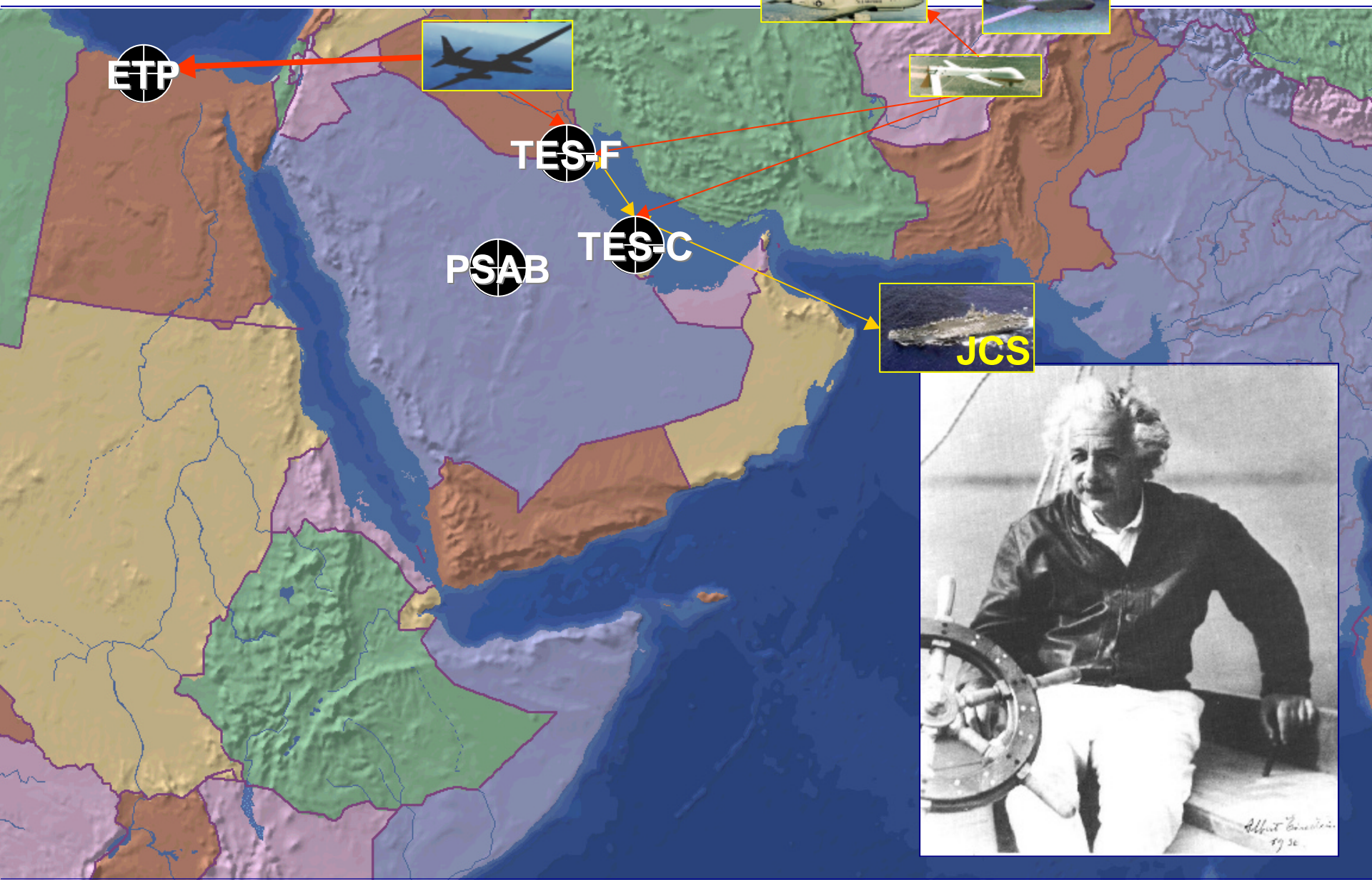


INTEGRATION & FIELDING





THIS WEEK IN THEATER





...AND THIS SUMMER





THE NEAR FUTURE



ABE Deployment

MC-02/FBE-J

- COR Upgrade, RTC at China Lake, CONOPS Development
- Netted to USAF ISR-M and Army TES-M
- Improve Upon FBE-I

UNCLASSIFIED



MC-02 "JFN" PLAYERS





LONGER TERM



Joint Fires

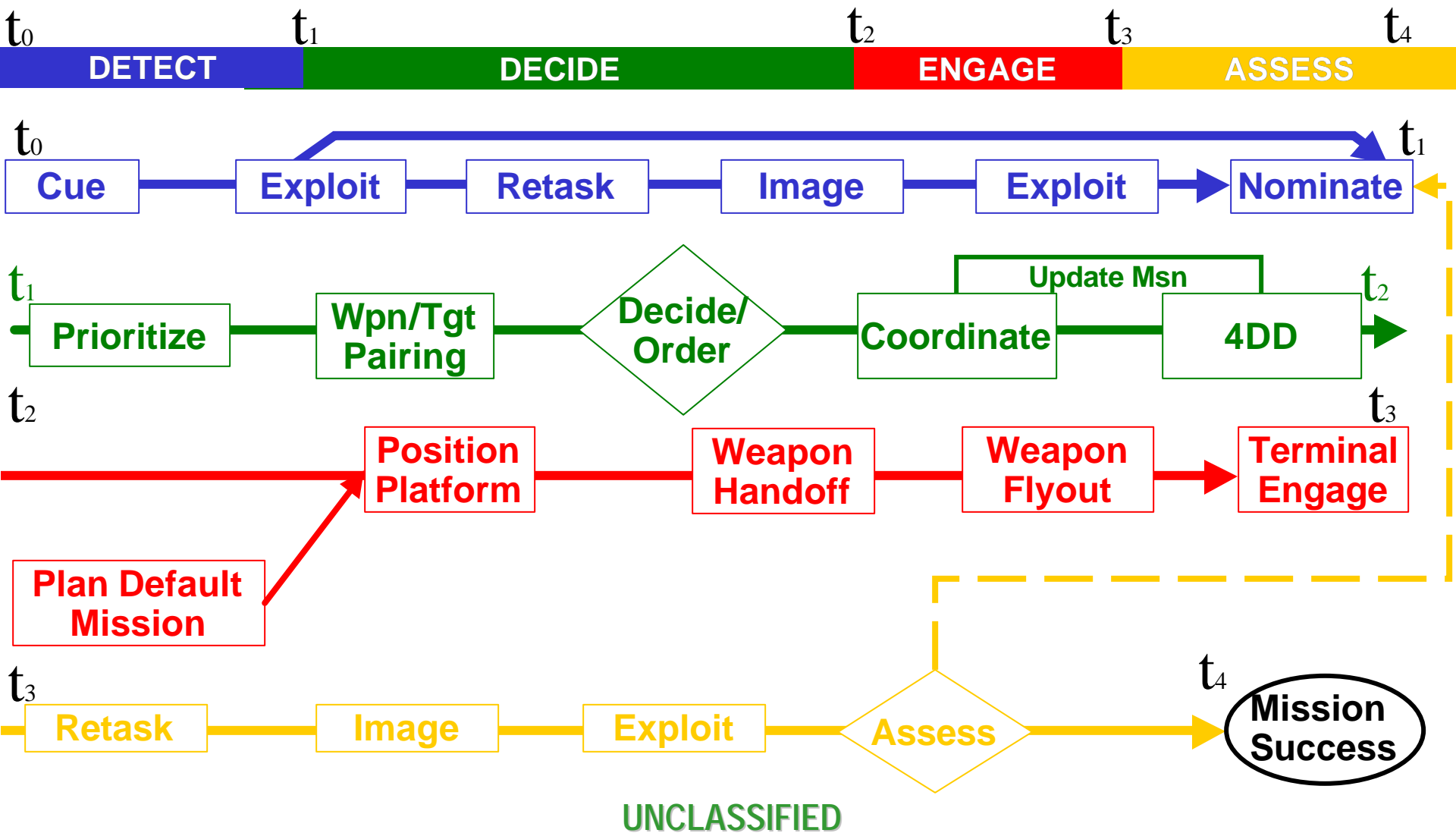
- Kill Chain Compression
 - Limiting Factor: Decision Phase (ROE)
(Sources: DOD Study & OEF Experience)
 - IPB & Tools for Rapid Analysis Remain Key
- Joint & Service CONOPS vs. Moore's Law
- ...and Structures (e.g., High Volume Imagery Analysis & Dissemination)

“Strategic Pause” is the Time to Capitalize on Positive Strides in OEF Because the Next One Will Be Harder...

UNCLASSIFIED



KILL CHAIN CONOPS





LONGER TERM



The Technology will Allow Joint Fires to be:

- Federated in Time, Space and/or Mission
 - Needed in Every Scenario?
 - e.g., National ISR Platform/Sensor Control
 - Flexibility to Hand it off
 - Will Require High Level of Sophistication Afloat (Doctrine, CONOPS, TTP, Training, etc.)
 - Does Every Afloat Commander Need this?
- Bottom Line: A Good News Story

**Some Scenarios May Afford *No* Other Option
.... “Knife Fight to the Death”**

UNCLASSIFIED



LONGER TERM

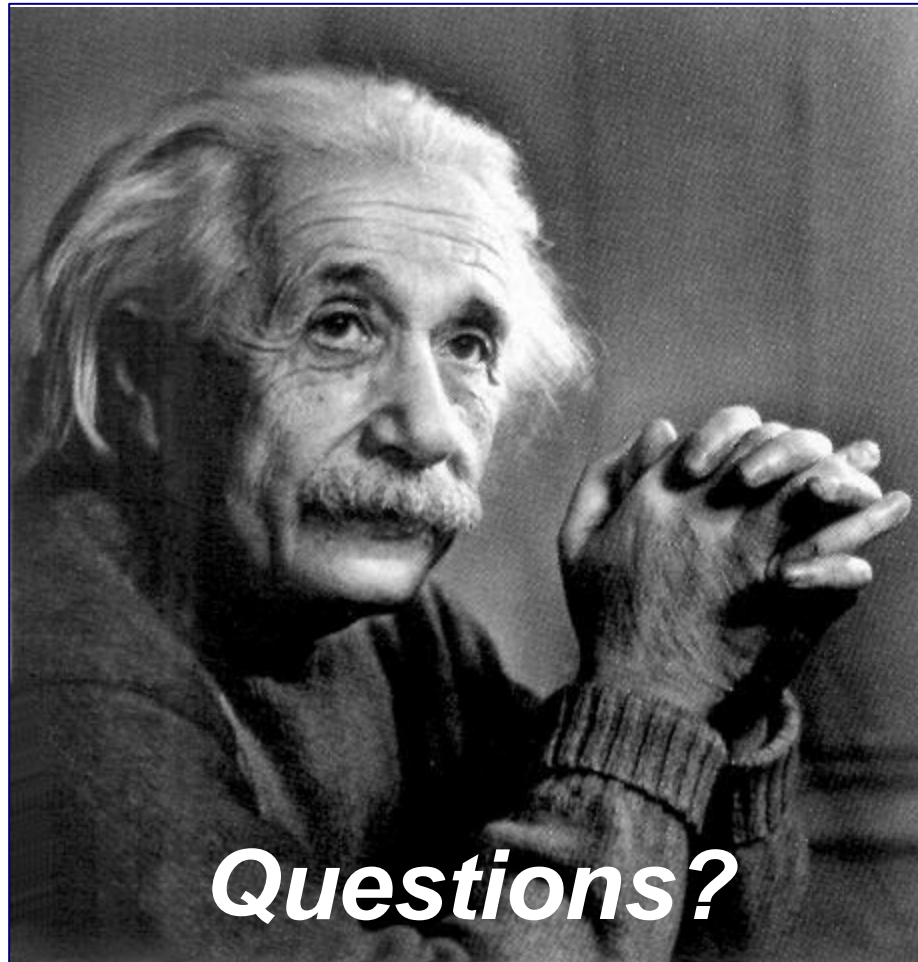


...And for the Fleet:

- Navy Tactical ISR
- UAVs
- Manning, Training, CONOPS



UNCLASSIFIED



UNCLASSIFIED